Name: Date:

Applied Math Review Stations

*(make sure you write the station # and the number of the problem)*

Section 1

1. Write the following in word form: 3,487,152
2. Write the following as a number:

three thousand two hundred fifty-six and one hundred twenty one thousandths.

1. Round to the nearest cent:
2. 145.3521
3. 23.987
4. 44.043
5. 7.44430
6. 999.47
7. Write the following in word form: 76,895.67
8. Complete the pattern: 1, 4, 9, 16 … \_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

Section 2

1. Write as a fraction **(in lowest terms)**:
2. 0.49 b. 10.135 c. 0.089
3. Write as a decimal **(remember to round to 2 decimal places)**:
4. 7 1/9 b. 3/25 c. 7/40
5. Write as a decimal:
6. 67.2% b. 0.0019% c. 603.15%
7. Write as a percent:
8. 0.0035 b. 1.91 c. 3.17
9. Complete the pattern: 30, 27, 24, 21, … \_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_

Section 3

1. What is 35% of 86?
2. What is 16% off of 132?
3. What is 10% of $410.62?
4. What is 30% off of $35.60?
5. What is the cost of a shirt that’s 75% off if it was originally $38.50?

Section 4

1. 35 is 80% of what number?
2. What percent of 120 is 42?
3. What number is 76% of 18?
4. A shirt was originally $45.31. It is now $21.33. What is the percent off?
5. A CD was originally $25.99. It is now $17.50. What is the percent off?

Section 5

1. w/7 = 14
2. 9x = 153
3. (5/2)m = 75
4. 8-x = 20
5. 12z = 60
6. a/7 = 5

Section 6

1. Complete 5 problems out of 7

a. 5(x-3) = 10

1. 4t – 6 = 14
2. -8 – 2w = 11
3. –m + 3(m + 1) = 11
4. 8n + 2 = 6n – 4
5. 18p + 3 = ¼ (16p – 8)
6. n+3/7 = 2

Section 7 Word Problems/Problem Solving

1. A park is rectangular. It’s length is 3 times as long as its width. The perimeter of the park is 640 meters. How long are the sides?
2. Popcorn costs $2.50 and a soda costs $1.25 at a movie theater. A camp brings its students there and there are 87 things bought. They spend a total of $147.50. How many popcorns and sodas did they buy?
3. A football field is 100 yards long and has a distance around of 308 yards. How wide is it?